

battery type: Alkaline Manganese Dioxide (mercury free)
battery size: LR44; LR1154; AG13; A76; 357
chemical system: Zn / KOH-H₂O / MnO₂

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.63 V (new battery)
 1.53...1.63 V (after 1 year storage at 20°C)

Conditions

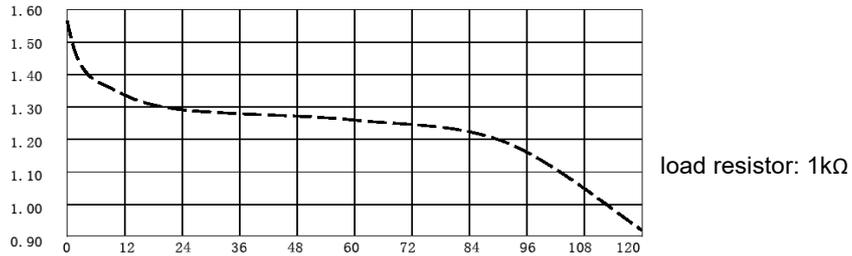
capacity rated: 145 mAh (discharge at 6.8kΩ load; 24hours/day; End Voltage (EV): 0.9V)
minimum: 135 mAh (discharge at 6.8kΩ load; 24hours/day; End Voltage (EV): 0.9V)

Service Life

nominal: 760 h (at 6.8kΩ load; EV: 0.9V) (new battery (tested within 60 days after production))
MAD: 720 h (at 6.8kΩ load; EV: 0.9V) (new battery (tested within 60 days after production))
 (minimum average duration) 540 h (at 6.8kΩ load; EV: 1.2V)
 650 h (at 6.8kΩ load; EV: 0.9V) (after 12 months storage at room temperature)
 495 h (at 6.8kΩ load; EV: 1.2V)
 ≥ 100 h (at 1kΩ load; EV: 0.9V) (for IQC measurement)

Discharge diagram:

Typical Discharge Characteristics at 20°c



Discharge Time(hours)

shelf life: 3 years (under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%))
 ≥90 % (remaining capacity after 12 months storage)

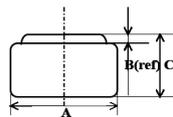
operating temperature: - 20...60 °C

storage temperature: 5...25 °C (recommended)

mechanical specifications:

cell dimensions: 11.6 x 5.4mm (nominal)

Dimensions	Unit:mm
A	11.40-11.60
B	0.50 (ref)
C	5.10-5.40



nominal weight: 1.9 g

main applications: watch, photo, electronic

	ANSMANN Specifications for model:	Alkaline Button Cell
		HyCell LR44 (AG13, 357)
	data sheet no. / part no.	
	supplier no.	703385
	author / date	TG / 07.03.2019